

A NEW SPECIES OF *LOPHOSTACHYS* (ACANTHACEAE) FROM
HONDURAS

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ABSTRACT

The new species *Lophostachys zunigae* is proposed.

KEY WORDS: Acanthaceae, *Lophostachys*, species nova

Lophostachys zunigae C. Nelson, *sp. nov.* HOLOTYPE: HONDURAS.
Atlántida: quebrada del Oro, montaña de Búfalo, 20 km SO de La Ceiba,
bosque húmedo tropical, 780-1800 msnm, 3-6 mayo 1989, *Zúñiga 453*
(TEFH); Isotypes: EAP,MO,US.

Planta herbacea vel suffrutescens foliis praeter costa venisque
glabris; inflorescentia pedunculata; exteriora segmenta calycis pubes-
centia superficialia et nervisequentia; parva fissura antici segmenti
calycis; capsula glabra.

Herbaceous or suffrutescent plant obtusely tetragonous, bullate, essentially
glabrous, some new stems with hairs on the sides. Petioles 2.0-5.6 cm long
by ca. 1 mm wide, curved and moderately widened at the base or not, the
leaf blades lance-elliptic in young ones, ovate to elliptic in old ones, 6.0-15.5
cm long, 2-6 cm wide, acuminate or falcate acuminate, acute at the base,
decurrent on the petiole, gradually reducing to a margin, very young leaves
with transitory brownish multicellular hairs on the petiole, glabrous on both
surfaces with white cystoliths on the upper surface and hairs along the sides
of the costa and nerves of the lower surface, the venation brochidodromus
with 4-5 main lateral veins, the costa sunken on the upper surface and raised
on the lower, the veins slightly raised to flat on the upper surface and raised
on the lower, the margins entire. Inflorescence pedunculate, to 10 cm long
and 3.5 cm wide, the peduncle subtetragonous, pubescent, to 2 cm long and

2 mm wide, rachis pubescent, bract lanceolate, to 1.5 cm long and 3 mm wide, 5-nerved, acuminate-mucronate, pubescent on surface and veins abaxially, glabrous adaxially, ciliate; bracteoles ca. 1 cm long by 0.5 mm wide at the base, and ca. 0.2 mm at the top, pubescent abaxially, glabrous adaxially, ciliate. Calyx lobes 4, the 2 outer segments to 2.5 cm long and 6.5 mm at the widest point, oblanceolate or subspathulate-oblong, acuminate, the anterior lobe cleft to 2 mm at the apex, 9-nerved, pubescent on surfaces and nerves both abaxially and adaxially, ciliate, the posterior one similar except for the cleavage at the apex, the interior segments to 12 mm long by 1 mm wide, pubescent on both surfaces; corolla and stamens not known; ovary glabrous, 2 mm long by 1 mm wide, style filiform to 25 mm long, stigma glabrous, minutely bifid, subclavate. Capsule somewhat compressed, glabrous, to 13 mm long by 4 mm wide; septum to 11 mm long, glabrous; retinaculum to 2 mm long, broad-based, glabrous; seeds 4, lenticular, 3.5×3.0 mm, glabrescent, ciliate.

The epithet for this species honors the collector, Ramón Zúñiga, It differs from *Lophostachys guatemalensis* J.D. Sm. by the pedunculate inflorescence, the outer calyx segments pubescent on surface and nerves, the small cleft of the interior calyx segment, and the glabrous capsule.